

**WHAT IS CLAIMED:**

1. A method of inhibiting the inflammatory activity of IL-1 $\beta$  comprising the step of administering a pharmaceutically effective amount of a lactoferrin product.
2. A composition comprising (a) a therapeutic or cosmetic compound that produces a local inflammatory reaction, and (b) a lactoferrin product.
3. A composition according to claim 2, wherein the compound of (a) is selected from the group consisting of tretinoin, a photoprotective, and a hydroxyacid.
4. A composition according to claim 2 or claim 3, further comprising a pharmaceutically acceptable carrier or a cosmetic carrier.
5. A method of treating an allergen-induced inflammatory disorder in a mammal, comprising the step of administering to a mammal a therapeutically effective amount of a lactoferrin product.
6. The method of Claim 5, wherein the mammal is a human.
7. The method according to any one of claims 1, 5 and 6 wherein the allergen-induced inflammatory disorder features a local immune response characterized by increased production of TNF- $\alpha$ .
8. The method according to any one of claims 1 and 5, wherein the lactoferrin product is a naturally occurring lactoferrin.
9. The method according to any one of claims 1 and 5, wherein the lactoferrin product is a recombinantly produced lactoferrin or a biologically active analog thereof.

- Sub C1* 10. The method according to any one of claims 1 and 5, wherein the lactoferrin product is a biologically active fragment of lactoferrin.
- Sub P1* 11. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the inflammatory disorder is selected from the group consisting of arthritis and a pulmonary inflammatory disease.
- a* 12. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the inflammatory disorder is a dermal inflammatory disorder.
- Sub C2* 13. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the inflammatory disorder is selected from the group consisting of contact dermatitis, psoriasis, UV-induced inflammation, infant diaper rash, and acne.
- R* 14. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the lactoferrin product is administered in a composition further comprising an anti-wrinkle agent and the inflammatory disorder is facial skin aging.
- Sub P1* 15. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the inflammatory disease is asthma.
16. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the inflammatory disease is sinusitis.
17. The method according to any one of claims 1, 5, 6, 7, 8, 9 and 10 wherein the inflammatory disease is rhinitis.
- 20 18. The method according to any one of claims 5, 6, 7, 8, 9 and 10 wherein the inflammatory disease is bronchitis

19. The method according to any one of claims 5, 6, 7, 8, 9 and 10 wherein the inflammatory disease is bronchitis.

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